

includes the same changes which are indicated on the enclosed marked-up copy of the original specification. Please enter the substitute specification into the record of this case.

**In the Claims:**

Please cancel claims 1-28, as well as any Chapter II amended claims, without prejudice or disclaimer of the subject matter therein, in favor of new claims 29-61 as follows.

**1-28. (CANCELED)**

**29. (NEW)** A method of facsimile file transmission/reception over the Internet, in which a facsimile file which is an image data file created through an image scanning process performed by an image scanner/reader having an Internet terminal function or an image scanner/reader connected to an Internet terminal device via a facsimile server which is a newly installed facsimile file transmission/reception server is transmitted/received over the Internet by setting a facsimile file address newly set up for facsimile file transmission/reception or a telephone number as a transmission destination data.

**30. (NEW)** A system of facsimile file transmission/reception on the Internet provided with a facsimile server which is a newly installed facsimile file transmission/reception server, in which a facsimile file which is an image data file created through an image scanning process performed by an image scanner/reader having an Internet terminal function or an image scanner/reader connected to an Internet terminal device is transmitted/received over the Internet by setting a facsimile file address newly set up as destination data for facsimile file transmission/reception or a telephone number as a transmission destination data.

**31. (NEW)** A method of file transmission/reception performed by an Internet terminal device over the Internet, in which a file is transmitted/received over the Internet via a file server which is a newly installed file transmission/reception server by setting a file address newly set up as destination data for file transmission/reception or a telephone number as a transmission destination data.

32. (NEW) A system of file transmission/reception on the Internet provided with a file server which is a newly installed file transmission/reception server, in which a file is transmitted/received over the Internet by setting a file address newly set up as destination data for file transmission/reception or a telephone number as a transmission destination data.

33. (NEW) The method of facsimile file transmission/reception over the Internet, according to claim 29, in which the facsimile address newly set up as destination data for transmitting/receiving a facsimile file which is an image data file created through an image scanning process performed by an image scanner/reader having an Internet terminal function or an image scanner/reader connected to an Internet terminal device via a facsimile server which is a newly installed facsimile file transmission/reception server is created by prefixing "fax" to a domain name of an existing mail address :  $\alpha \alpha \alpha @ \beta \beta \beta \beta \beta . Y Y . n e . j p$  so that the facsimile address is represented as:  $\alpha \alpha \alpha \alpha @ \text{fax} . \beta \beta \beta \beta \beta . Y Y . n e . j p$ .

34. (NEW) The method file transmission/reception over the Internet, according to claim 31, wherein a file address newly set up as transmission destination data for transmitting/receiving a file via a file server which is a newly installed file transmission/reception server is created by prefixing "file" to a domain name of an existing mail address :  $\alpha \alpha \alpha \alpha @ \beta \beta \beta \beta \beta . Y Y . n e . j p$  so that the file address is represented as:  $\alpha \alpha \alpha \alpha @ \text{file} . \beta \beta \beta \beta \beta . Y Y . n e . j p$ .

35. (NEW) The method of facsimile file transmission/reception according to claim 29, wherein a telephone number of a destination Internet terminal device can be set as the transmission destination data for transmitting/receiving a facsimile file, and

wherein a transmission mode is set to enable transmission by adding a transmission mode setting sign to the telephone number which is the transmission destination data.

36. (NEW) The method of file transmission/reception according to claim 31, wherein a telephone number of a destination Internet terminal device can be set as the transmission destination data for transmitting/receiving a file, and wherein a transmission mode is set to enable transmission by adding a transmission mode setting sign to the telephone number which is the transmission destination data.

37. (NEW) An image scanner/reader provided with an image scanning process function of an optical sensor, in which image data created by performing an image scanning process on a printed document in an image scanning/reading transmitter/receiver adding an Internet terminal function to a body of the image scanner/reader or an image scanning/reading transmitter/receiver connecting the image scanner/reader to an Internet terminal device so as to permit data communication, is stored/saved in an external storage device provided with the image scanning/reading transmitter/receiver in image data format, and in which, in a file transmission/reception process performed over the Internet, a file address newly set up as a destination data for file transmission/reception is set so as to enable file transmission/reception with the destination Internet terminal device.

38. (NEW) An image scanning/reading transmission/reception printer which is a component of a facsimile file transmission/reception system, in which an image scanner/reader of a type provided with an image scanning process function and a printing process function performs transmission/reception in a facsimile file transmission/reception method which enables transmission/reception with a destination

Internet terminal device over the Internet through a an Internet terminal function provided in a body of the image scanner/reader or an Internet terminal device connected to the image scanner/reader so as to permit data communication via a facsimile file transmission/reception server newly installed for facsimile file transmission/reception by setting image data created by performing an image scanning process on a printed document as destination data for facsimile file transmission/reception newly set up as destination data in an image data file format, and a process of printing the received image data is performed through a printing process function provided in the recipient Internet terminal device which has received the image data in the image data format.

39. (NEW) The image scanner/reader according to claim 37, wherein the image scanner/reader is an image scanner/reader connected to an Internet terminal device so as to permit data communication, by cable connection or wireless connection, and, in conjunction with operation of storing/saving image data created by performing an image scanning process on a printed document in image data file format to an external storage device provided in the Internet terminal device, performs image scanning transmitting actuating operation until completion of a created image data file transmission over the Internet in the Internet terminal device in a simple operation which includes depressing a transmission destination button in an image scanner/reader operating portion and depressing a transmission start button.

40. (NEW) The image scanning/reading transmission/reception printer according to claim 38, which is a desktop image scanning/reading transmission/reception printer considered to be a new facsimile device, provided with a desktop casing, an image

scanning process function for A-4 size or A-3 size which are commonly-used document sizes, a printing process function for performing a printing process at the time of facsimile file reception, an Internet connection function included in a provided Internet terminal function, and a function of facsimile file transmission/reception over the Internet.

41. (NEW) The image scanning/reading transmission/reception printer according to claim 38, which is a floor-installation image scanning/reading transmission/reception printer considered to be a new facsimile device, provided with a floor-installation casing, an image scanning process function for A-4 size or A-3 size, which are commonly-used document sizes, a printing process function for performing a printing process at the time of facsimile file reception, an Internet connection function included in a provided Internet terminal function, and a function of facsimile file transmission/reception over the Internet.

42. (NEW) The floor-installation image scanning/reading transmission/reception printer according to claim 41, provided with a removable disk storage device other than a fixed disk storage device and memory card storage device which are external storage devices of disk media type provided in an image scanning/reading transmitter/receiver.

43. (NEW) A portable telephone-shaped Internet terminal device which is an Internet terminal device including a communication function and an Internet terminal function, in which the telephone-shaped computer is provided with a telephone-shaped casing of a portable size and uses a detachable Internet connection communication card for a communication function.

44. (NEW) The image scanner/reader according to claim 37, which is a portable image scanner/reader used connected to the Internet terminal device, wherein the image scanner/reader includes a portable casing, and can handle an image scanning process for approximately notepad size.

45. (NEW) The image scanner/reader according to claim 37, which is a portable image scanner/reader used connected to the Internet terminal device, wherein the image scanner/reader includes a portable casing of a size to be fitted into an attache case, and can handle an image scanning process for reading up to A-4 size which is a commonly-used document size.

46. (NEW) The image scanner/reader according to claim 37, which is a flatbed image scanner/reader suitable for an image scanning process for books, bound documents or printed documents of size larger than A-4 size and of shape difficult to be set on a manuscript setting portion of the image scanner/reader to be read, wherein the image scanner/reader is provided with a casing for reading which performs an image scanning process, as a mode of reading, with a manuscript to be read placed on a desk with a reading face upward and a reading portion of the image scanner/reader placed face down on an object to be read.

47. (NEW) The image scanner/reader according to claim 37, provided with a plurality of destination data storage button switches functionally included in the image scanner/reader, wherein the destination data storage button switches includes a destination data storage function of allocating one file address, facsimile address, or telephone number to one destination data storage button switch by operation setting performed with character/number input keys of an operating portion.

48. (NEW) The image scanner/reader according to claim 37, wherein the image scanning/reading transmitter/receiver is connected to the Internet terminal device so as to permit data communication, and, by a simple image scanning/reading transmitting actuating operation performed by the image scanner/reader operating portion, a process from starting an image scanning process to completion of a read image data file transmission process performed over the Internet by the Internet terminal device is continuously performed.

49. (NEW) A portable Internet terminal device comprising an image data file processing function for storing/saving image data created through an image scanning process by an image scanner/reader in PDF file format other than conventional image data file format such as JPG file format and BMP file format or TIF file format, as file format for storing/saving the image data in image data file format in an external storage device provided in the Internet terminal device.

50. (NEW) A portable Internet terminal device comprising an image data file format conversion processing function that mutually converts a file format of an image data file stored/saved in an external storage device provided in the Internet terminal device among respective image data files.

51. (NEW) A portable Internet terminal device comprising an Internet terminal device display portion which is used for a function for displaying image data of an image data file, an image data scaling display processing function for scaling up and down an image displayed on the Internet terminal device display portion, and a scroll function for displaying the displayed image data in vertical and lateral directions.



52. (NEW) An image scanner/reader is connected to an Internet terminal device, and a signature image data file created by performing an image scanning process, on a signed notepad for example, is transmitted over the Internet from the Internet terminal device to a system.

A personal authentication method which is a personal authentication process performed over the Internet, in which, in the system receiving the signature image data file, since a personal authentication process is performed through a writing identification process by comparing the signature image data file with signature writing data which is registered beforehand at the time of a contract by a person who access the system, and further a file format of the transmitted image data file is converted to JPG file format or PDF file format so as to differentiate image file size from the same paper size by signature writing line data amount, a signature image data information file is unique personal authentication data which is a combination of signature image data file size information and image scanning process time information other than the personal authentication process by the writing and the writing form data.

53. (NEW) An iris capturing image data authentication method in which eye iris image data created by a destination system by bringing close a lens portion of an optical camera provided with an Internet terminal device connected online to a destination system over the Internet or a lens of the optical camera connected to the Internet terminal device to an eye and capturing the iris for a few seconds is compared with personal iris data registered at the time when a contract is made with a contractor, for personal authentication, the iris image data at the time is unique iris capturing image data which is created by encoding the iris capturing data captured for a few seconds at

a certain time interval, and a high level personal authentication method is enabled by searching previous iris capturing image data stored/saved in the system and checking whether the iris capturing image data has not been used before.

54. (NEW) A ballot collection and counting method which is a voting method in which a ballot image scanner/reader is installed at each voting station at an election and voters write down a name of a candidate on a ballot to post the ballot to a ballot setting opening of the ballot image scanner/reader, wherein a name ballot collection and counting unit performs counting through a process of character recognition of names of the candidates written on ballots.

55. (NEW) A ballot image scanner/reader and ballot collection and counting system in which the ballot image scanner/reader which is an image scanner/reader for ballots is installed at each voting station at an election, a name ballot image data file is created through a process of scanning images of ballots each of which has a name of a candidate thereon, a character recognition process is performed by a computer on the name ballot image data, so that a ballot collection and counting process is enabled.

56. (NEW) A ballot collection and counting method in which, using a voting method and a ballot collection method in which a ballot image scanner/reader comprising an Internet terminal function is installed at each voting station and connected to a voting collection and counting system via the Internet prior to an election, a name ballot image scanning process is performed for each posting of a ballot with a name which is posted to a ballot posting opening of the ballot image scanner/reader by a voter writing a name of a candidate on the ballot on a voting date, the ballot connection and counting system collects the name ballot image data files

through the Internet and performs a character recognition process on the ballot image data files collected from each voting station and stored/saved on a fixed disk device of a computer, so that a counting process of votes is performed by a ballot collection and counting unit.

57. (NEW) An image scanning text filing system comprising:

a continuous image scanning processing portion that performs a continuous image scanning process, a manuscript setting portion of a desktop image scanning/reading transmission/reception printer and a floor-installation image file scanning/reading transmission/reception printer capable of accepting image data of several dozens of pages;

an image data filing portion that stores/saves the image data of several dozens of pages created by a continuous image scanning processing function in an image data file format having a function of collecting the image data into a cohesive file on a provided external storage device or a connected computer; and

a continuous page text filing processing portion performed by an OCR (optical character recognition) software including a document image data file text filing function provided by a computer connected to the desktop image scanning/reading transmission/reception printer and the floor-installation image scanning/reading transmission/reception printer if a read printed document is a text document.

58. (NEW) A file transmission/reception system comprising an Internet terminal device ID notification function which is a function of automatically indicating a terminal device ID representing a type and terminal device setting information or a terminal device state of an Internet terminal device having a fixed IP address in several bits so

that the terminal device ID can be detected by a file server when the file server and each Internet terminal device are connected.

59. (NEW) A facsimile file transmission/reception system comprising an Internet terminal device ID notification function which is a function of automatically indicating a terminal device ID representing a type and terminal device setting information or a terminal device state of an Internet terminal device having a fixed IP address in several bits so that the terminal device ID can be detected by a facsimile file server when the facsimile file server and each Internet terminal device are connected.

60. (NEW) The image scanner/reader according to claim 37, further comprising a method selecting and setting an image data file format in advance for storing/saving image data created through an image scanning process, other than a method of selecting a file format for storage/saving with respect to an image data file format for storing/saving image data created through an image scanning process performed by the image scanner/reader on an external storage device of an Internet terminal device; and

an operating function that enables actuating operation from start of an image scanning process to completion of read image data file transmission performed by an Internet terminal function portion in either an image scanner/reader operating portion or the Internet terminal function portion.

61. (NEW) An application software for file and facsimile file transmission/reception storage/management provided for an Internet terminal device which is a computer, the application software being an application software created specially for a file transmission/reception function, a facsimile file transmission/reception

function, a transmitted/received file storage/management function, and a transmitted/received facsimile file storage/management function.